

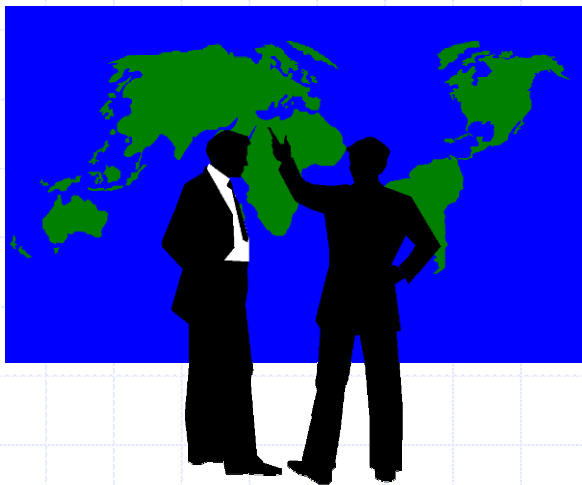


U.S. Department of Energy

OAK RIDGE NATIONAL LABORATORY

CHP Subcontractors Coordination Review Meeting

*Analysis of Environmental Regulatory
Barriers and Incentives for CHP*



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Oak Ridge National Laboratory's
Washington D.C. Office

Analysis of Environmental Regulatory Barriers and Incentives for CHP

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Description of Tasks

- Air Quality Permitting Barriers to CHP Development
- Application of Output-Based Air Quality Regulation for CHP
- CHP Emissions/Credit Calculator
- CHP Permitting and Regulatory Requirements Database
- Environmental Regulatory Analysis on CHP/DG Issues

Air Quality Permitting Barriers

Overview: Research and document air permitting barriers to CHP development. Prepare report documenting the problems and providing recommendations.

Coordination: Work with manufacturers, developers and regulators interested in CHP promotion.

Deliverable: Public report

Progress/Timeline: Analysis initiated. Draft early summer.

Application of Output-Based Regulation for CHP

Overview: Develop detailed recommendations for output-based regulation to encourage CHP.

Task Reprogrammed to support regulatory database development. See below.

CHP Emissions/Credit Calculator

Overview: Develop simple but accurate analytical tool to allow calculation of environmental benefits of CHP.

Coordination: Work with developers and regulators/analysts projecting environmental impacts of CHP.

Deliverable: Spreadsheet tool and documentation.

Progress/Timeline: Beta version early summer.

CHP Permitting and Regulatory Requirements Database

Overview: Document state by state regulatory requirements for CHP projects. Incorporate into existing DG requirements data base.

Coordination: Work with manufacturers, developers and regulators interested in CHP and promotion.

Deliverable: On-line reference data base integrated into EEA state regulatory database.

Regulatory Database for Small Generators

Work initiated under another ORNL task

Contains state-by-state data on:

Environmental permitting

Building codes

Siting regulations

Exit fees

Reporting requirements

Incentives

Standby rates

CHP incentives added under this task

Available at www.eea-inc.com

Regulatory Requirements Database

Regulatory Requirements Database for Small Electric Generators - Microsoft Internet Explorer

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Address http://www.eedinc.com/ncr/DGRegProject/index.html

Google Search web Search Site 10164 blocked Options Mount Washington Observatory

Guide to the Database:

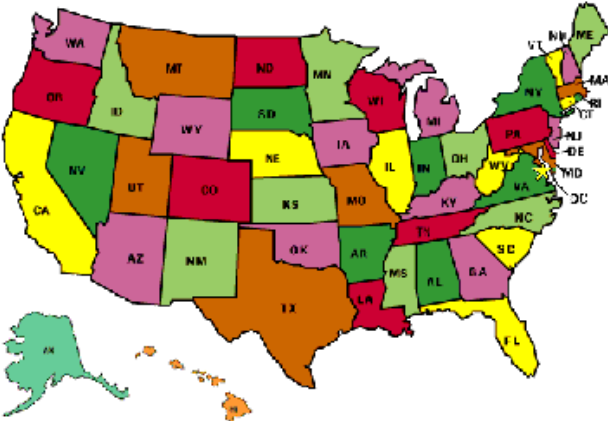
Click here to view the [Guide to the Database](#)

Specific Issues:

- [EMISSIONS REGULATIONS](#)
- [STATE ENVIRONMENTAL REGULATIONS](#)
- [SITING REGULATIONS](#)
- [CUT-INS](#)
- [STANDBY RATES](#)
- [BUILDING, ZONING, AND FIRE CODES](#)
- [AMMONIA ISSUES](#)
- [REPORTING REQUIREMENTS](#)
- [ECONOMIC INCENTIVES](#)

Regulatory Requirements Database for Small Electric Generators

Click on any state to access state specific information on DG permitting issues, or click on the state name in the drop box below:



Please Note: The information for this database was obtained through a combination of interviews with state permitting officials and review of state permitting regulations. This database is not intended to replace a permit check with a state's permitting authority. This work is being done for the U.S. Department of Energy and Oak Ridge National Laboratory. While the information is believed to be accurate, always verify information with appropriate regulatory agencies. This site is best viewed with Microsoft's Internet Explorer 3.0.

Choose a State

Internet 3.001 M

Sample State Data Page

EEA Database on State Permitting Issues for DG-New York - Microsoft Internet Explorer



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Address <http://www.eea.state.ny.us/DGReg/Regist/ny.html> Go Login

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Home > Select a State > NY About EEA



NEW YORK

[Air Emissions Regulations](#) | [Siting Regulations](#) | [Exit Fees](#) | [Regulatory Codes](#) | [Standby Rates](#) | [Incentives](#)

CONTACT INFORMATION:

Division of Air Resources
625 Broadway
2nd Floor
Albany, NY 12230-3250
(518) 402-3400
[Overview the Department's Website](#)

Relevant State Agencies:

[New York State Public Service Commission](#)

[NY State Board on Electrical Generation Siting and the Environment](#)

[New York Air Emissions Regulations](#)

[New York State Energy Research And Development Authority \(NYSERDA\)](#)

Major Utilities:

LATEST NEWS:

The New York State Environmental Board on 12/15/03 approved revised emissions standards for distributed generators. More information can be found on the [Latest News Page](#).

AIR EMISSIONS REGULATIONS:

Air Quality Status	The state is located in the OTR. There are 10 marginal ozone nonattainment areas, 3 moderate ozone nonattainment areas, and 11 severe ozone nonattainment areas. Only 1 area is in moderate nonattainment for PM-10. EPA's Nonattainment Areas
NSR Threshold	250 tons of any criteria pollutant or 100 tons of NOx or VOCs, 25 tons of NOx or VOC or 100 tons of PM-10 in nonattainment areas.
Minor Source Permitting Exemption	Engines 225 hp and less
Minor Source Treatment	Opacity, PM-10 and sulfur limits
Emergency Generating Limits	Exemption and PTE based on 500 hours per year

DE MINIMIS EXEMPTIONS:

To be exempted from permitting a source must be an engine that is smaller than 225 hp in nonattainment areas and 400 hp in all other areas. Gas turbines less than 10 MMbtu/hr are also exempted. State notification is not required to take this exemption, however operating and emissions records must be kept.

MINOR SOURCE PERMITTING:

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Environmental Regulatory Analysis

Overview: Ongoing regulatory analysis support on air permitting and air quality issues.

Coordination: Work with manufacturers, developers and regulators interested in CHP promotion.

Deliverable: Limited availability white papers and analyses.

Timeline: Ongoing

Regulatory Support Activities

- § Assistance to EPA on source separation and permitting issues.
- § Coordination with state agencies on DG/CHP regulations.
- § Coordination with EPA and states on other DG issues.
- § Response to DOE on environmental regulatory issues.

FY03 Deliverables and Availability

- § Interactions with EPA CHP permitting
- § State assistance/interactions
- § Regulatory database

Coordination with Stakeholder Groups and Other Project Teams

- § Incorporated ACEEE data on CHP incentives into regulatory database.

FY04-05 Timeline

- § Regulatory Database - Continuous updates
- § Regulatory Barriers to CHP - May draft
- § CHP Emission Calculator - Beta in Summer
- § Regulatory Support - As needed

Questions?